

Joint Search
Please search
Search

Access DB# 35952

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: F. Holzric Examiner #: _____ Date: 2/21/01
Art Unit: 1653 Phone Number 305-4508 Serial Number: 09/316,888
Mail Box and Bldg/Room Location: Box 10001 Results Format Preferred (circle): PAPER DISK E-MAIL
0 9 A01

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Antiangiogenic peptides

Inventors (please provide full names): Henkin, Jaret; Haniv, Fortuna;
Bradley, Michael F.; Calvani, Douglas M.; Schneider, Andrew

Earliest Priority Filing Date: 5/22/98

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please find any of the amino acids enclosed.

Species 13 of claim 12 was elected.

Thanks.

Ex # 1, 3, 4, 5, 8, 11, 12, 18, 28, 42, 43,
46, 47, 49, & 50 - 66 anti-angiogenic
activity shown (inhibited h-endothelial cell migration)

Treating cancer, arthritis, psoriasis, angiogenesis
of the eye associated with infection or surgical,
macular degeneration, diabetic retinopathy

Used as anti-angiogenesis (can/can)

STAFF USE ONLY

Searcher: John
Searcher Phone #: 44158
Searcher Location: _____
Date Searcher Picked Up: 3/5
Date Completed: 3/5
Searcher Prep & Review Time: _____
Clerical Prep Time: 30
Online Time: +45

Type of Search

Vendors and cost where applicable

NA Sequence (#)	STN
AA Sequence (#)	Dialog
Structure (#)	Questel/Orbit
Bibliographic	Dr. Link
Litigation	Lexis/Nexis
Fulltext	Sequence Systems
Patent Family	WWW/Internet
Other	Other (specify)

=> fil reg

FILE 'REGISTRY' ENTERED AT 08:46:35 ON 05 MAR 2001
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STRUCTURE FILE UPDATES: 4 MAR 2001 HIGHEST RN 325683-70-3
 DICTIONARY FILE UPDATES: 4 MAR 2001 HIGHEST RN 325683-70-3

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
 for details.

=> d 132 tot sqide can

L32 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2001 ACS
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 CN L-Prolinamide, N-acetyl-N-methylglycylglycyl-L-valyl-L-alloisoleucyl-L-threonyl-L-norvalyl-L-isoleucyl-L-arginyl-N-ethyl-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)
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uncommon	Nva-6	-
modification	-	- undetermined modification
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 SR CA
 LC STN Files: CA, CAPLUS

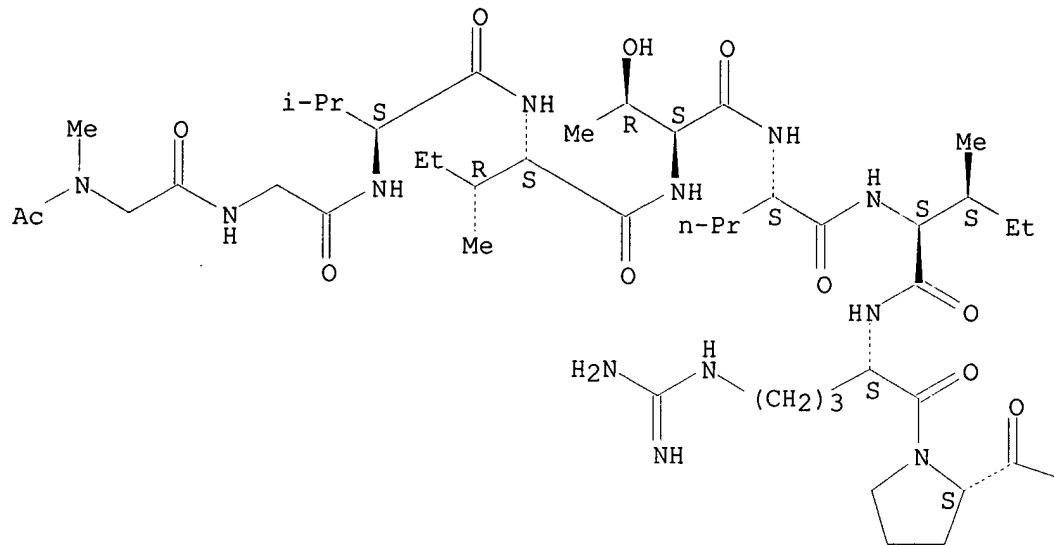
CM 1

CRN 251585-90-7
 CMF C46 H83 N13 O11

Absolute stereochemistry.

Point of Contact:
 Jan Dolan!
 Librarian-Physical Sciences
 CM1 1E01 Tel: 308-4498

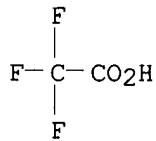
PAGE 1-A



PAGE 1-B

-NHET

CM 2

CRN 76-05-1
CMF C2 H F3 O2

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191

L32 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2001 ACS

RN 251585-90-7 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH

SOL 9

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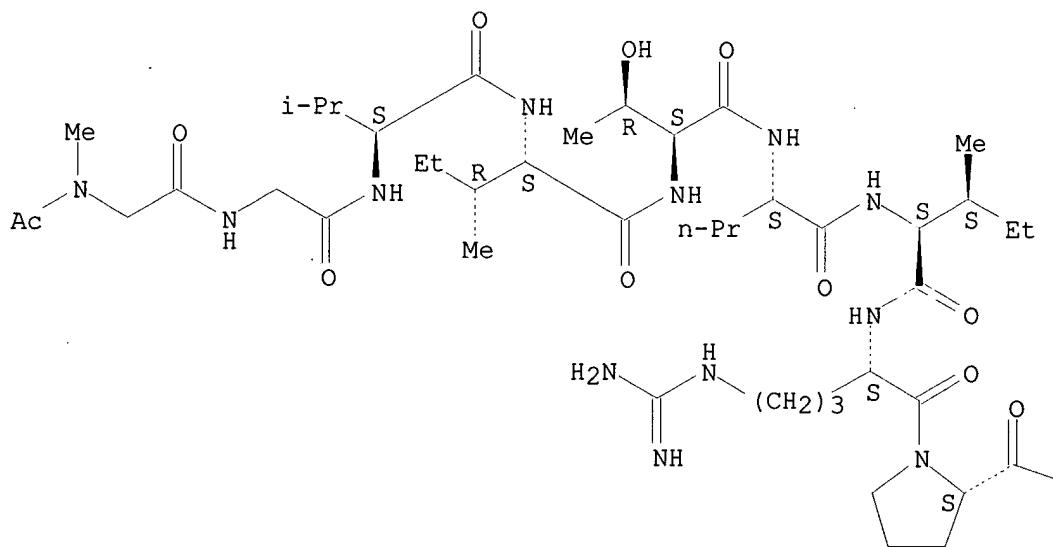
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CI COM

SR CA

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

NHEt

L32 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2001 ACS

RN 251584-19-7 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH

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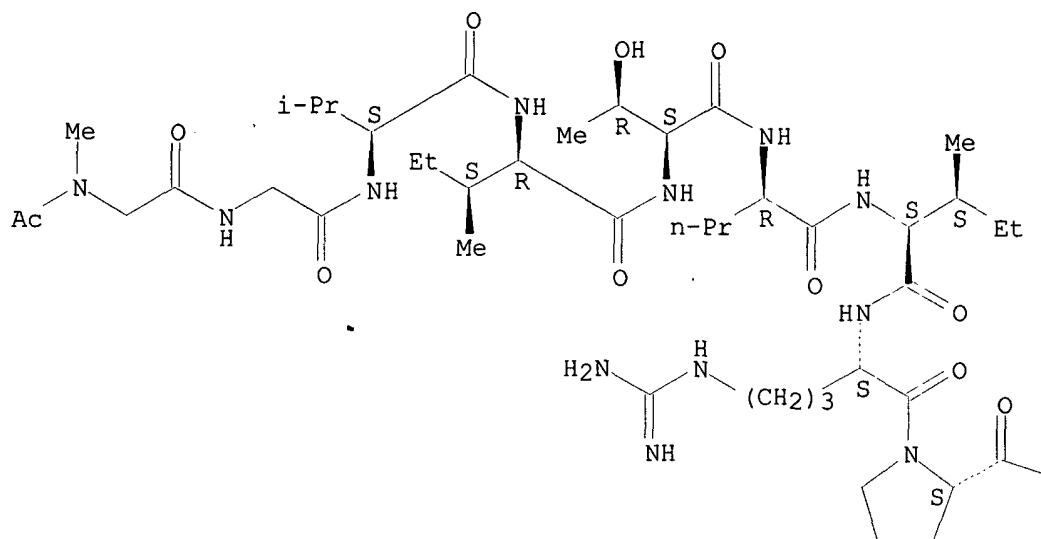
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LC STN Files: CA, CAPLUS

Absolute stereochemistry.

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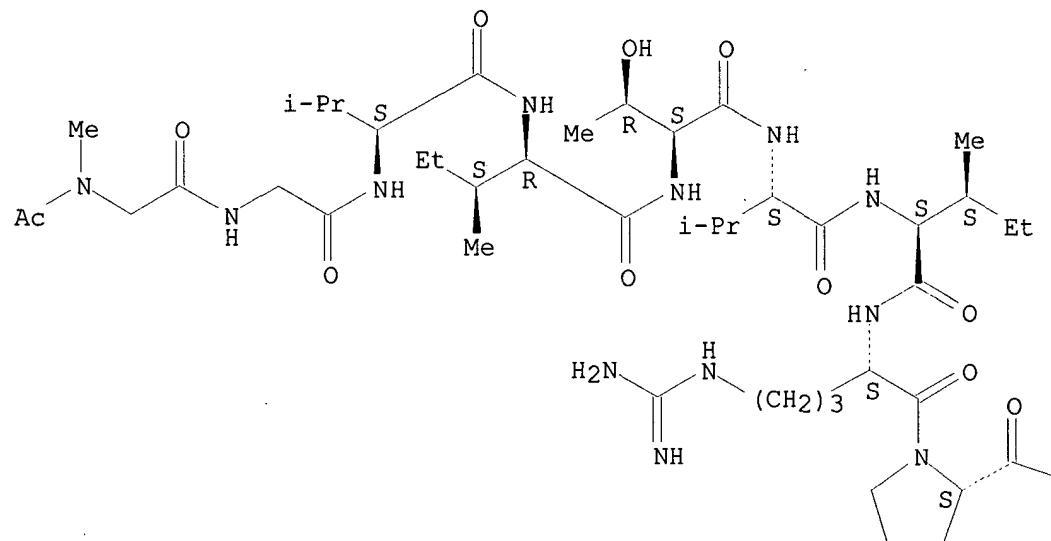
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 FS PROTEIN SEQUENCE; STEREOSEARCH
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MF C46 H83 N13 O11
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191

L32 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2001 ACS

RN 251579-96-1 REGISTRY

25157-98-1 REGISIRI
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mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

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SR CA

LC STN Files: CA, CAPLUS

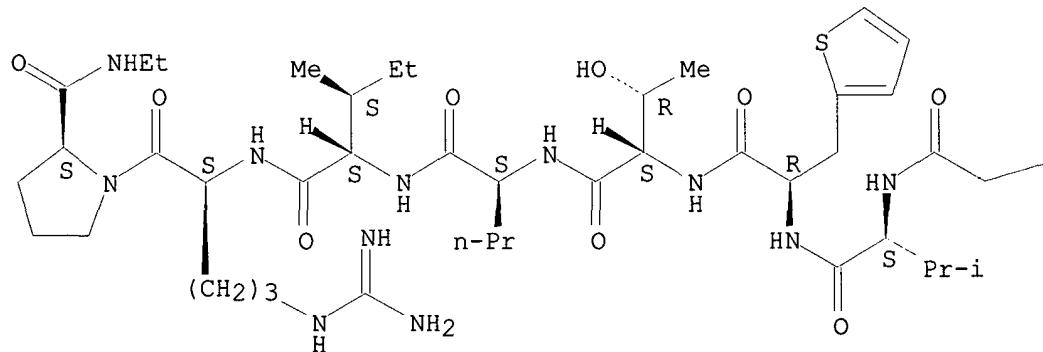
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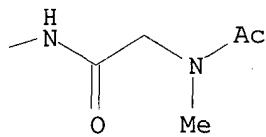
CMF C47 H79 N13 O11 S

Absolute stereochemistry.

PAGE 1-A



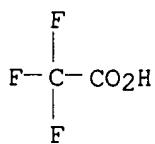
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191

L32 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2001 ACS

RN 251579-95-0 REGISTRY

CN L-Prolinamide, N-acetyl-N-methylglycylglycyl-L-valyl-3-(2-thienyl)-D-alanyl-L-threonyl-L-norvalyl-L-isoleucyl-L-arginyl-N-ethyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

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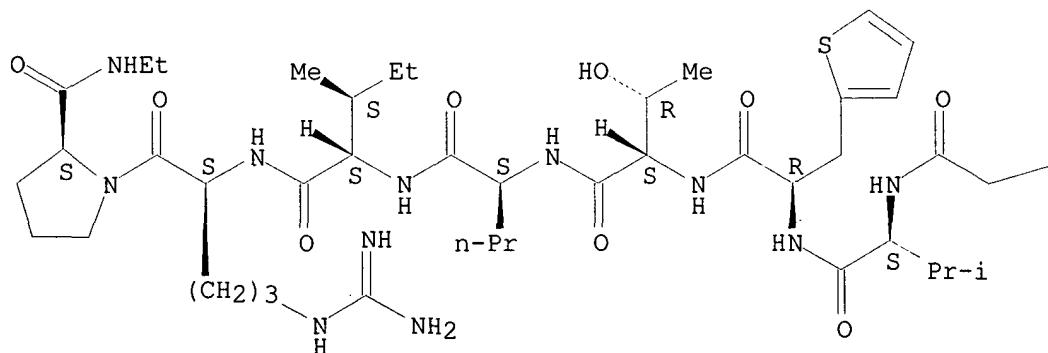
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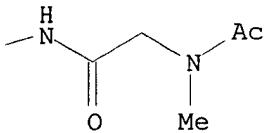
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

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1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191

L32 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2001 ACS
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 FS PROTEIN SEQUENCE; STEREOSEARCH
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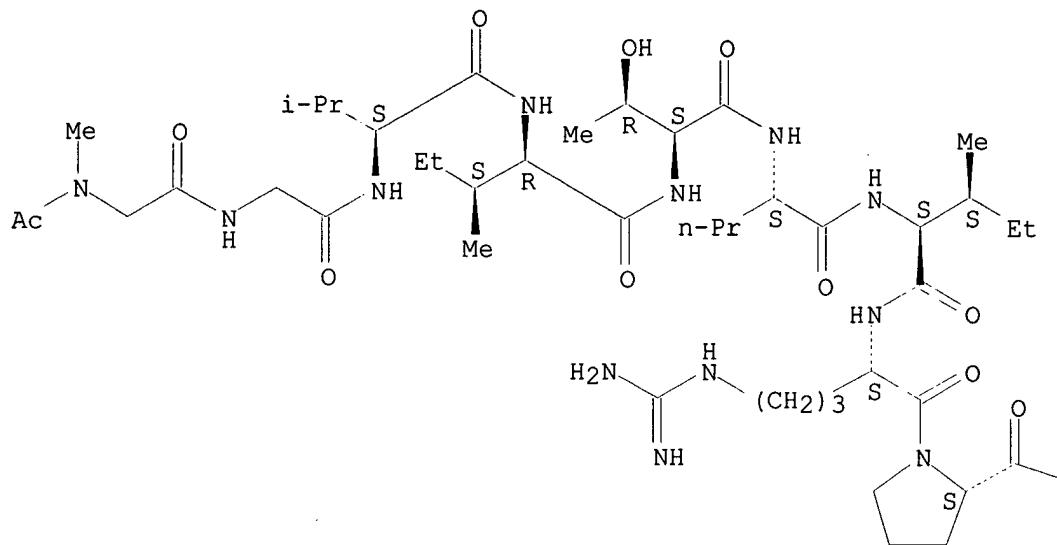
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Absolute stereochemistry.

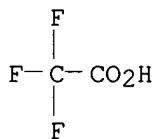
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PAGE 1-B

-NHET

CM 2

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REFERENCE 1: 132:23191

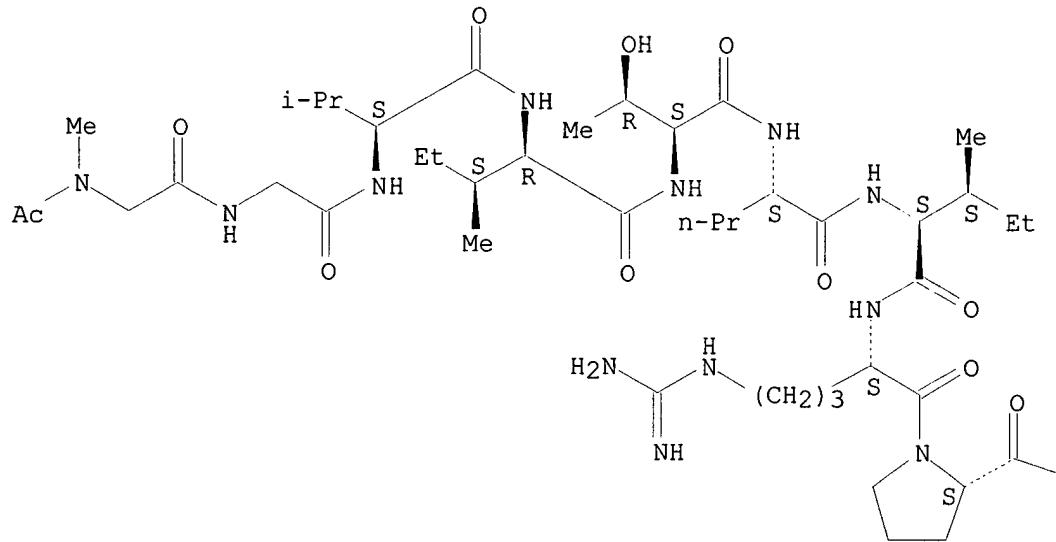
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 FS PROTEIN SEQUENCE; STEREOSEARCH
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SEQ 1 GGVITXIRP
 MF C46 H83 N13 O11
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 LC STN Files: CA, CAPLUS

Absolute stereochemistry.

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PAGE 1-B

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1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 132:23191

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(FILE 'REGISTRY' ENTERED AT 08:00:38 ON 05 MAR 2001)
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SAV L14 MOEZIE316A/A

L33 FILE 'HCAOLD' ENTERED AT 08:46:09 ON 05 MAR 2001
0 S L32

L34 FILE 'HCAPLUS' ENTERED AT 08:46:14 ON 05 MAR 2001
1 S L32

L35 FILE 'USPATFULL' ENTERED AT 08:46:19 ON 05 MAR 2001
0 S L32

FILE 'REGISTRY' ENTERED AT 08:46:35 ON 05 MAR 2001

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 08:47:12 ON 05 MAR 2001
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FILE COVERS 1967 - 5 Mar 2001 VOL 134 ISS 11
FILE LAST UPDATED: 4 Mar 2001 (20010304/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> d 134 all

L34 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS
 AN 1999:764071 HCAPLUS
 DN 132:23191
 TI Preparation of peptide antiangiogenic drugs
 IN Henkin, Jack; Haviv, Fortuna; Bradley, Michael F.; Kalvin, Douglas M.; Schneider, Andrew J.
 PA Abbott Laboratories, USA
 SO PCT Int. Appl., 223 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07K014-78
 ICS A61K038-39; G01N033-68
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 Section cross-reference(s): 1
 FAN.CNT 1

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PI	WO 9961476	A1	19991202	WO 1999-US11448	19990521
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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	NO 2000005890	A	20010112	NO 2000-5890	20001121
PRAI	US 1998-83745		19980522		
	US 1999-250574		19990216		
	US 1999-277466		19990326		
	WO 1999-US11448		19990521		
OS	MARPAT	132:23191			
AB	Peptides A0-A1-A2-A3-A4-A5-A6-A7-A8-A9-A10 (A0 is H or an acyl group; A10 is OH or an amino acid amide; A1-9 are amino acyl residues) or their pharmaceutically acceptable salts, esters, solvates, or prodrugs were prepd. for the treatment of angiogenesis. Thus, N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-Pro-NHET was prepd. by the solid-phase method and assayed for in vitro angiogenic activity (87.3% at 20 nM and 76.9 at 10 nM).				
ST	peptide prepn antiangiogenic activity				
IT	Eye, disease				
	(diabetic retinopathy; prepn. of peptide antiangiogenic drugs)				
IT	Eye, disease				
	(macula, degeneration; prepn. of peptide antiangiogenic drugs)				
IT	Angiogenesis inhibitors				
	Antiarthritics				
	Antitumor agents				
	Psoriasis				
	(prepn. of peptide antiangiogenic drugs)				

IT Peptides, preparation

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

IT	251581-87-0P	251581-88-1P	251581-89-2P	251581-90-5P	251581-91-6P
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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

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251586-27-3P	251586-28-4P	251586-29-5P	251586-30-8P	251586-32-0P
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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

IT 59-67-6, Nicotinic acid, reactions 79-09-4, Propionic acid, reactions 88-14-2, 2-Furoic acid 107-92-6, Butanoic acid, reactions 109-85-3, 2-Methoxyethylamine 138-59-0, Shikimic acid 142-62-1, Hexanoic acid, reactions 625-45-6, Methoxyacetic acid 2516-47-4, Cyclopropanemethanamine 3222-56-8, 2-Methylnicotinic acid 4442-85-7, 2-Cyclohexylethylamine 5292-21-7, Cyclohexylacetic acid 5913-13-3, r 1-Cyclohexylethylamine 7154-73-6, 1-(2-Aminoethyl)pyrrolidine 16874-33-2, Tetrahydro-2-furoic acid 27578-60-5, 1-(2-Aminoethyl)piperidine 101711-55-1

RL: RCT (Reactant)

(prepn. of peptide antiangiogenic drugs)

RE.CNT 4

RE

- (1) Abbott Lab; WO 9741824 A 1997 HCPLUS
- (2) Grace W R & Co; EP 0443404 A 1991 HCPLUS
- (3) Univ Northwestern; WO 9316716 A 1993 HCPLUS
- (4) Univ Northwestern; WO 9841542 A 1998 HCPLUS

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FILE 'REGISTRY' ENTERED AT 08:48:10 ON 05 MAR 2001
E 'SAR-GLY-VAL-ILE-THR-NVA-ILE-ARG-PRO'/SQEP

L36 2 S E3
L37 2 S L36 NOT L32
L38 282 S G[VN][IA]T.IRP/SQSP
L39 281 S L38 AND SQL<=20
SAV L39 MOEZIE316B/A

FILE 'HCPLUS' ENTERED AT 08:51:31 ON 05 MAR 2001

L40 1 S L39
L41 1 S L37
L42 1 S L40,L41,L34

=> d all

L42 ANSWER 1 OF 1 HCPLUS COPYRIGHT 2001 ACS
AN 1999:764071 HCPLUS
DN 132:23191
TI Preparation of peptide antiangiogenic drugs
IN Henkin, Jack; Haviv, Fortuna; Bradley, Michael F.; Kalvin, Douglas M.;

PA Schneider, Andrew J.
 PA Abbott Laboratories, USA
 SO PCT Int. Appl., 223 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07K014-78
 ICS A61K038-39; G01N033-68
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9961476	A1	19991202	WO 1999-US11448	19990521
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9944075	A1	19991213	AU 1999-44075	19990521
	EP 1078002	A1	20010228	EP 1999-927091	19990521
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO				
	NO 2000005890	A	20010112	NO 2000-5890	20001121
PRAI	US 1998-83745		19980522		
	US 1999-250574		19990216		
	US 1999-277466		19990326		
	WO 1999-US11448		19990521		
OS	MARPAT 132:23191				
AB	Peptides A0-A1-A2-A3-A4-A5-A6-A7-A8-A9-A10 (A0 is H or an acyl group; A10 is OH or an amino acid amide; A1-9 are amino acyl residues) or their pharmaceutically acceptable salts, esters, solvates, or prodrugs were prepd. for the treatment of angiogenesis. Thus, N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-Pro-NHET was prepd. by the solid-phase method and assayed for in vitro angiogenic activity (87.3% at 20 nM and 76.9 at 10 nM).				
ST	peptide prepn antiangiogenic activity				
IT	Eye, disease (diabetic retinopathy; prepn. of peptide antiangiogenic drugs)				
IT	Eye, disease (macula, degeneration; prepn. of peptide antiangiogenic drugs)				
IT	Angiogenesis inhibitors				
	Antiarthritics				
	Antitumor agents				
	Psoriasis (prepn. of peptide antiangiogenic drugs)				
IT	Peptides, preparation				
	RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of peptide antiangiogenic drugs)				
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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

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RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Préparation); USES (Uses)

(prepn. of peptide antiangiogenic drugs)

IT 59-67-6, Nicotinic acid, reactions 79-09-4, Propionic acid, reactions 88-14-2, 2-Furoic acid 107-92-6, Butanoic acid, reactions 109-85-3, 2-Methoxyethylamine 138-59-0, Shikimic acid 142-62-1, Hexanoic acid, reactions 625-45-6, Methoxyacetic acid 2516-47-4, Cyclopropanemethanamine 3222-56-8, 2-Methylnicotinic acid 4442-85-7, 2-Cyclohexylethylamine 5292-21-7, Cyclohexylacetic acid 5913-13-3, r 1-Cyclohexylethylamine 7154-73-6, 1-(2-Aminoethyl)pyrrolidine 16874-33-2, Tetrahydro-2-furoic acid 27578-60-5, 1-(2-Aminoethyl)piperidine 101711-55-1

RL: RCT (Reactant)

(prepn. of peptide antiangiogenic drugs)

RE.CNT 4

RE

- (1) Abbott Lab; WO 9741824 A 1997 HCAPLUS
- (2) Grace W R & Co; EP 0443404 A 1991 HCAPLUS
- (3) Univ Northwestern; WO 9316716 A 1993 HCAPLUS
- (4) Univ Northwestern; WO 9841542 A 1998 HCAPLUS

=> fil reg

STRUCTURE FILE UPDATES: 4 MAR 2001 HIGHEST RN 325683-70-3
DICTIONARY FILE UPDATES: 4 MAR 2001 HIGHEST RN 325683-70-3

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> d sqide can tot 137

L37 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
RN 251580-48-0 REGISTRY
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norvalyl-L-isoleucyl-L-arginyl-N-ethyl-, bis(trifluoroacetate) (salt)
(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified

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uncommon	Nva-6	-
modification	-	undetermined modification

SEQ 1 XGVITXIRP
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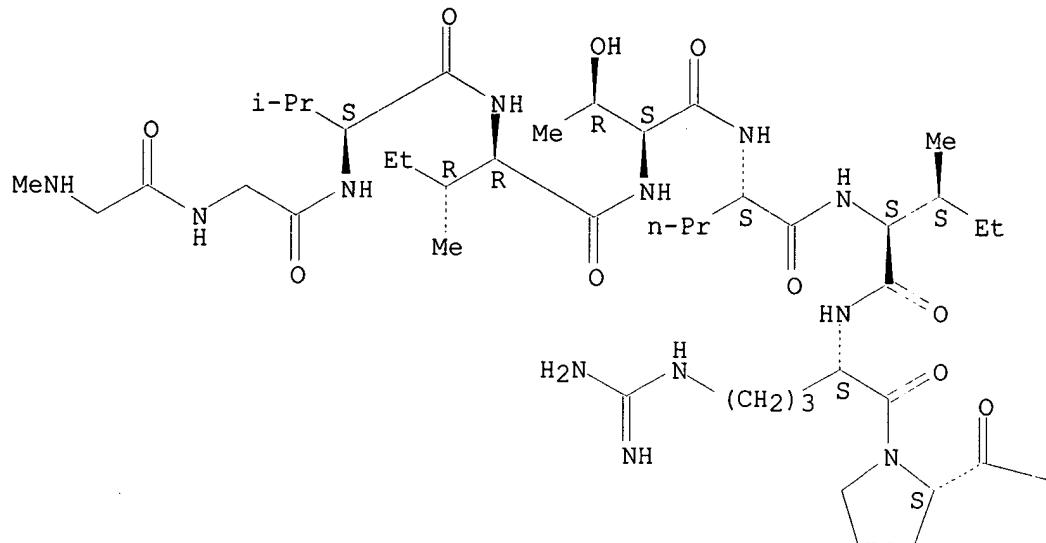
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LC STN Files: CA, CAPLUS

CM 1

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CMF C44 H81 N13 O10

Absolute stereochemistry.

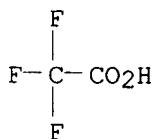
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PAGE 1-B

—NHET

CM 2

CRN 76-05-1
CMF C2 H F3 O21 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191

L37 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS
 RN 251580-47-9 REGISTRY
 CN L-Prolinamide, N-methylglycylglycyl-L-valyl-D-isoleucyl-L-threonyl-L-norvalyl-L-isoleucyl-L-arginyl-N-ethyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
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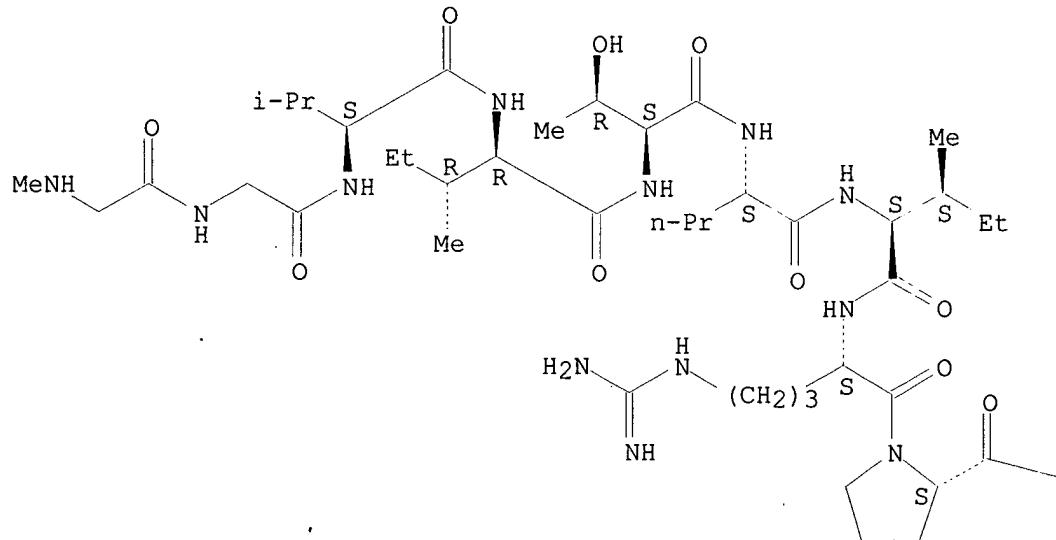
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HITS AT: 1-9
 MF C44 H81 N13 O10
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

→ NHEt

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:23191